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*Marsupella sphacelata* (Gieseke) Dum. Mt. Mansfield, Evans, D. C. Eaton.

*Mylia anomala* (Hook.) S. F. Gray. Jerico, Evans; Willoughby, Miss Lorenz.

\**Nardia crenulata* (Smith) Lindb. Newfane, M. A. Howe, A. J. G.

*N. hyalina* (Lyell) Carrington. Newfane, M. A. Howe.

*Scapania irrigua* (Nees) Dum. Jerico, Evans.

*S. paludosa* (C. Muell.) Fib. Mt. Mansfield, Evans.

*Sphenolobus exsectaeformis* (Bridl.) Steph. Jerico, Evans.

\**S. exsectus* (Schmid.) Steph. Willoughby, Miss Lorenz.

\**Anthoceros leavis* L., Newfane, Burlington, A. J. G.

\**A. punctatus* L., Newfane, A. J. G.

*Notothylas orbicularis* (Schwein.) Sulliv. Jerico, Evans

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## TWO CHANGES OF NAME.

JOHN M. HOLZINGER.

RHACOMITRIUM FLETTII. Mr. Cardot after carefully examining a part of the type of this species agrees that it is new, but he considers it should be a *Grimmia*, being closely related to *Grimmia torquata* Grev., *G. prolifera* C. M. & K., and *G. tortifolia* Kindb., a group of species belonging to the subgenus *Rhabdogrimmia* of Limpricht. I accept my friends suggestion after looking over the matter, and *Rhacomitrium Flettii* may hereafter be known as *Grimmia Flettii* (Holz.) Card. See BRYOLOGIST 7:3, 1904.

BRYUM SQUARROSUM Kindb. in Hedwigia, p. 66, 1896. This name is not tenable being a synonym for *Paludella squarrosa*. I propose for this Kindbergian plant *Bryum Baileyi* (Synonym *Bryum squarrosus* Kindb., non Linn.) in recognition of my very efficient bryological friend, Dr. John W. Bailey, of Seattle, Wash., who collected this plant at Lake Union near Seattle, in quantity for my *Acrocarpi*. I am indebted to Mr. Jules Cardot for its final determination. The nearest relative of this West American species is *Bryum Donianum* of the section *Eubryum*. But this has a thickened margin and smaller leaf cells. *Bryum Baileyi* has the margin of one cell layer, its leaf cells in the lower part of the leaf measure 24 by 120 $\mu$ . The spores are smooth and measure 10 by 14 $\mu$ , while Limpricht records the size of spores of *B. Donianum* as 9-10 $\mu$ .

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## CURRENT LITERATURE.

### Musci Norvegiæ Borealis by Dr. I. Hagen.

JOHN M. HOLZINGER.

The third and concluding part of this work on the mosses of Northern Norway, covering pages 241 to 382 and accompanied by twenty-four pages of Introduction appeared in February, 1905. The two plates, figure distinctive features of *Gyroweisia tenuis compacta*, *Distichium Hagenii*, *Encalypta mutica*, *Timmia Norvegica*, *T. elegans*, *Polytrichum inconstans* and *Hypnum fastigiatum mitodes*.

In his *Vorbemerkungen* (The Introduction), the author gives an interesting history of the botanical explorations of the far northerly region covered by his work with special reference to the bryological journeys in the nineteenth century, Martin Vahl and Bishop Gunnerus being the only collectors dating back into the preceding century. Even up to 1880 comparatively little had been done in giving a comprehensive view of the mossflora of this region, practically all lying in the arctic circle. Wahlenberg's "*Flora Lapponica*" appearing in 1812, mentions one hundred and forty seven species of Norwegian mosses. Sommerfelt's "*Supplementum Floræ Lapponicæ*," 1826, adds forty-two species to Wahlenberg's list. Then up to 1870 there was little active exploration, when interest was rekindled by the journeys of P. G. Lorentz, J. E. Zetterstedt, Berggren, A. Blytt, and Arnell and Jörgensen. Among the other explorers of the region up to the present time the author mentions Añgstroem, C. Hartman, Huebener, Parry, J. W. Zetterstedt—names which will ever be interesting to students of arctic mosses.

In the present work the author has set for himself the task of reporting on the collections made principally by Arnell, Fridtz, Kaalaas, Kaurin, Ryan and himself in the years 1886-1897. The six or seven years spent on these voluminous collections has resulted in the reporting of six hundred and fifty nine species and varieties, comprising four hundred and thirty-two *Acrocarpi*, one hundred and seventy-nine *Pleurocarpi*, thirteen species of *Andreæa* and thirty-five of *Sphagnum*. In this large aggregate of species the author points out that the pygmies of the moss world, the minute ephemeral species like those of *Archidium*, *Acaulon*, etc., are almost entirely missing, showing the incapacity of these minute plants to struggle against the odds of an arctic climate.

This report includes many critical notes on the more difficult genera, noteworthy among which is *Orthotrichum*, and especially *Bryum*. In the latter genus he has enumerated no fewer than one hundred and five species and varieties, three of which are new. In all, fifty-one new species and varieties are described. From Part III we mention *Timmia elegans* Hag., *Polytrichum inconstans* Hag., *Orthothecium strictum* Lor., *Brachythecium saltense* Hag., *Amblystegium versirete* Hag., *Hypnum stragulum*, Hag., and *Hypnum fastigiatum mitodes* Hag. Seven North American species were found to reach over into this arctic region of Norway, namely: *Orthotrichum Groenlandicum*, *Bryum foveolatum*, *B. polare*, *B. crispulum*, *Pogonatum dentatum*, *Pseudoleskea denudata Holzingeri*, *Hypnum Berggrenii*. Three had been known only from Spitzbergen, viz: *Trichodon oblongus*, *Bryum globosum*, *B. teres*. Fifteen other species new to this territory were previously known from other parts of Europe.

Both by reason of the critical spirit of the work and of the position of the area covered in the report, the author has done a valuable service not only to Scandinavian Bryology in the narrower sense, but in a wider sense to the Arctic Bryology of North America and Northern Asia.

For Review of Parts I and II see *BRYOLOGIST*, 5:1902. pp. 44. 45.

Winona, Minn.

### SULLIVAN MOSS CHAPTER NOTES.

The following names have been added to the list of Chapter Members since March 1st, making the total number one hundred and forty-seven: Mr. D. M. Andrews, Box 86, Boulder, Colorado. Mrs. Henry T. Gregory, Southern Pines, N. C. Mr. J. B. Flett, 221 N. Tacoma Ave., Tacoma, Wash. Mr. E. Bethel, 270 S. Marion St., Denver, Colorado.

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### NOTE.

Mr. G. K. Merrill, 564 Main street, Rockland, Me., will be glad to determine any *Cladonia* sent him by Chapter Members. The specimens must be ample and accompanied by full data.

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### OFFERINGS.

(To Chapter Members only. For postage.)

- Miss Harriet Wheeler, Chatham, Columbia Co., N. Y. *Hypnum uncinatum* Hedw., c.fr. Collected in Adirondack Mts., N. Y. *Brachythecium Starkei* (Brid.) B. & S., c.fr. Collected in White Mts., N. H.
- Mrs. Agustus P. Taylor, Thomasville, Georgia. *Pogonatum brachyphyllum* Beauv., c.fr. Collected Thomasville.
- Mr. N. L. T. Nelson, 3968 Laclede Ave., St. Louis, Mo. *Dicranella varia* (Hedw.) Sch., c.fr. Collected in Illinois. *Orthotrichum Porteri* Aust., c.fr. Collected in Missouri.
- Mr. Ezra T. Cresson, Jr., Box 248, Philadelphia, Pa. *Pohlia Lescuriana* (Sull.) Lindb., c.fr.; *Hypnum imponens* Hedw., c.fr.; *Hypnum hispidulum* Brid., c.fr. Collected in Swarthmore, Pa.
- Mr. H. Dupret, Seminary of Philosophy, Montreal, Canada. *Ceratodon purpureus* (L.) Brid., c.fr.; *Leptobryum pyriforme* Sch., c.fr. Collected in Montreal (U. S. postage accepted).
- Miss Mary F. Miller, 1109 M street, N. W., Washington, D. C. *Camptothecium lutescens* B. & S. Collected in Seattle, Wash., by Dr. J. W. Bailey.
- Miss Caroline C. Haynes, 16 East 36th street, New York City. *Cephalozia connivens* (Dicks.) Lindb.; *Scapania nemorosa* (L.) Dumort.
- Mr. Charles C. Plitt, 1706 Hanover street, Baltimore, Md. *Porella pinnata* L. Collected near Baltimore.
- Mr. Severin Rapp, Sanford, Orange Co., Florida. *Odontoschisma prostratum* Nees. Collected Sanford, Fla.
- Mr. J. P. Naylor, Greencastle, Indiana. *Fissidens Julianus* (Savi.) Schimp., c.fr. Collected Greencastle.